

Authors

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Dr. Gaver joined the Naval Postgraduate School in 1970, where he is a Professor of Operations Research and Statistics. During this time he has also been a consultant to the IBM Research Laboratory in San Jose. His technical interests are applied probability, data analysis, and modeling and simulation of computer systems. He previously was a mathematician and later advisory mathematician at Westinghouse Research Laboratories in Pittsburgh, Pennsylvania, from 1956 to 1963. Subsequently he was a faculty member and finally Professor of Statistics at the Carnegie-Mellon University. In addition, Dr. Gaver has held visiting faculty appointments at Stanford University and the University of California at Berkeley. His educational background includes B.S., M.S., and Ph.D. degrees in mathematics from the Massachusetts Institute of Technology in 1950 and 1951 and from Princeton University in 1956. Dr. Gaver is a member of the Operations Research Society of America and the Institute of Mathematical Statistics and is a Fellow of the American Statistical Association and the American Association for the Advancement of Science.

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Dr. Housel has been a member of the data base design and conversion group at the Research Laboratory since 1973. He joined IBM at San Jose in 1965 after receiving an M.S. in engineering science from the University of Oklahoma. From 1965 to 1968 he was involved in the development of engineering graphics and systems software. During that time he earned an M.S. in computer science from Stanford University through the IBM work-study program. From 1968 through 1970 he worked in the programming center in Boulder, Colorado, in both technical and managerial capacities. In 1970 he won an IBM resident study fellowship and subsequently attended Purdue University, where he received a Ph.D. in computer science in 1973. His current technical interests include data base technology, programming languages, and the design of software systems. Dr. Housel is a member of the Association for Computing Machinery and Phi Kappa Phi.

Alfred Inselberg

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Dr. Inselberg is an advisory staff member at the Los Angeles Scientific Center where he joined IBM in 1966. Previously he was Research Assistant Professor at the University of Illinois where he received a Ph.D. degree in mathematics in 1965. During 1968-71 he was a Lecturer at the University of California at Los Angeles and during 1971-73, a Senior Lecturer at the

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Stephen S. Lavenberg

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Dr. Lavenberg joined IBM at the San Jose Research Laboratory in 1968 and is currently a member of the analysis and algorithms department at the Thomas J. Watson Research Center, where he moved earlier this year. His current technical interests include stochastic modeling of computer systems, simulation of stochastic systems, and queuing theory. He received a B.E.E. from Rensselaer Polytechnic Institute in 1963 and an M.S. and a Ph.D. in electrical engineering from the California Institute of Technology in 1964 and 1968, respectively. Dr. Lavenberg is a member of the Association for Computing Machinery, the Institute of Electrical and Electronics Engineers, and Sigma Xi.

Peter A. W. Lewis

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Dr. Lewis is a Professor of Operations Research and Statistics and a consultant to the IBM Research Division, of which he was a member from 1955 to 1971. He received an A.B. degree from Columbia College, Columbia University in 1954, a B.S. and an M.S. in electronic engineering from Columbia University Engineering School in 1955 and 1957, and a Ph.D. in statistics from the University of London in 1964. From 1969 to 1970 he was a National Institutes of Health Special Fellow at Imperial College, London. Dr. Lewis is a member of the Royal Statistical Society, the American Statistical Association, the Institute of Mathematical Statistics, and the Biometric Society and is a Fellow of the Institute of Mathematical Statistics and the American Statistical Association. He is coauthor with D. R. Cox of *The Statistical Analysis of Series of Events*.

Vincent Y. Lum

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Dr. Lum is currently manager of the data base design and conversion project in the Research Laboratory and is active in data base research, including design, translation, structuring and restructuring, etc. He joined IBM at the Endicott Development Laboratory in 1962 and has been with the Research Division since 1966. Dr. Lum received his B.S. from the University of Toronto, his M.S. from the University of Washington (Seattle), and his Ph.D. from the University of Illinois. He is a member of the Association for Computing Machinery, the Institute of Electrical and Electronics Engineers, and Sigma Xi.